

Appln. No. 09/905,717

Amendment Date: January 18, 2005

Reply to Office Action of November 18, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Amended) A receiver for receiving and efficiently separating a composite 3-G wireless communication signal into its constituent base-band components, wherein said receiver combines multiple processing tasks of a conventional receiver in two entities comprising

an equal-ripple linear phase recursive filter channelizer, and an equal-ripple linear recursive interpolator,

whereby [and] the channelizer entity performs the processing required to operate [for] multiple channels in a single device.